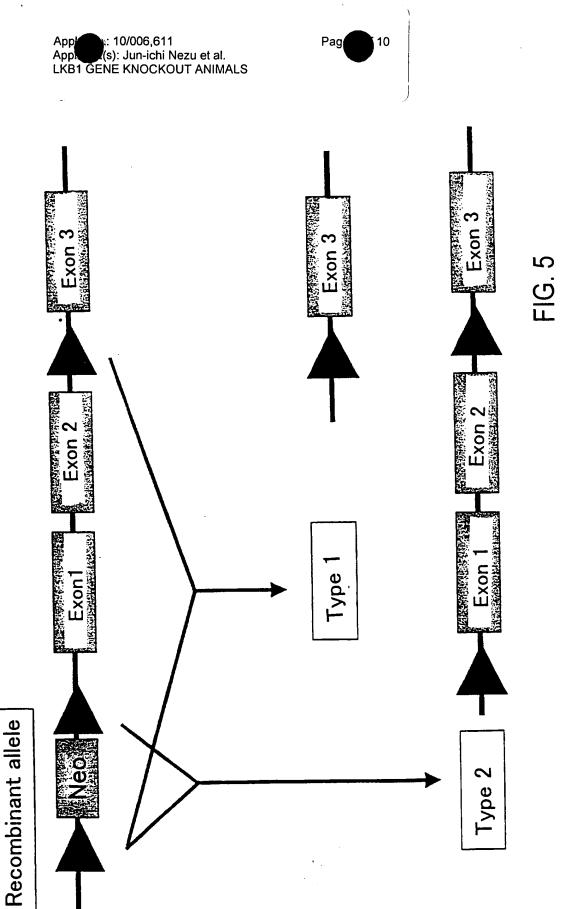


g,

GGAGATCCAGCTGCTGCGGCGGCTGCGGCATCGGAATGTGATCCAGCTTGTGGACGTGCTGTACAATGAGGAGAAGCAGA AGATatatcctgtgggtggagtgggctggggtggcccctgtgttaggggctggaagccttctgcaaggcctctggcagca cctgttctgagcagtgtgggttgggactgggcatggcctcacagggacttggggcctatgtacattgacagggccccggct ggttctagaggtttccatgctgccccttcccagaggtagaggttgcacagcctacgttgcatctgggcagtcctgggagc  $attot {\tt gagaacccag} t {\tt gccctgcagccccaactcctg} t {\tt gccagctgattcagt}$ cctgttgtaatctatgctgactccatgtggtccaagtcactgtggtggtcttgtggaccctgtgagtactgatagggagc gcagaatggcgggagagcagagtggtggtggtctgttggcccagcggggccctccagaccactgttgctaggagcagggc  ${\tt tcctgggcttggtgctgctttccttagcgccctacGTATATGGTGATGGAGTACTGCGTATGTGGCATGCAGGAGATG}$ CTGGACAGTGTGCCGGAGAAGCGCTTCCCTGTGTGCCAAGCTCATGGgtgagtgccctgctgggtgcaggaggagcagcc  ${\tt attgtcaggaaacccaggtgtttctgggcccccagtttttaacccagccaatgtgcttagggttaccctcttgttaggcc}$ ctgtggtcccgctgccctgcagagccatagtgggtctgagtcctgttcagtgctcccaggttcagcagaatcacatcccc tgactgccagttgccctgtgtaattttagtggcccagccttctgactctcaggtctgtttgcctgagccctaaacatcta tcaccttgtaggccaggtctcatgagtctcccaaacttcatatcagacttatgtaggtaccatggtatgggctgagacac tgtggggcctgagccagtcccacccattcagGTACTTCCGCCAGCTGATTGACGGCCTGGAATACCTACACAGCCAGGGC ATTGTTCACAAGGACATCAAGCCGGGCAACCTGCTACTCACCACCAATGGCACACTCAAGATCTCCGACCTCGGTGTTGC CGAG gtaggcaccatgtgcagggatcatgggccgcttctcctgagctgccctgactctcactgccctgcagGCCCTGCACCCTTTCGCTGTGGATGACACCTGCCGGACAAGCCAGGGCTCCCCGGCCTTCCAGCCTCCTGAGATTGCCAATGGACTGGA CACCTTTTCAGGTTTCAAGGTGGACATCTGGTCAGCTGGGGTCACACTgtaagtgtcttgtgtgtaccctgtagcagatg gggggctgtgggttttccctagtgttcttgggcctttttgcccacagtgtgtggctagcaggttggacattccaggtctg ctaccagttaacatgtgtcctgtctgggagttggggcacctgtcctctggtctccagtgtggccagcactgacactcttt tcctatgtgaagTTACAACATCACCACGGGCCTGTACCCATTTGAGGGGGGACAATATCTACAAGCTCTTTGAGAACATTG  ${\tt GGAGAGGAGACTTCACCATCCCTTGTGACTGCGGCCCACCACTCTCTGACCTACTCCGAGgtgggcatctctaaatcacc}$ canatgttaggacagcaagggacagagcccctggtctggaggggttctgaccttactgtcaggacagcctttgtccgcca cagGGATGTTGGAGTATGAGCCGGCCAAGAGGTTCTCCATCCGACAGATTAGGCAGCACAGgtgagcatggccggcctgt ctcagcctgctgggggtctgagctgagaacatggtctcagaggtgctaggtcatcacaggagtaaggatcagtgtgctgt gtgtattgatgtctgggaaggctgtgtgtgaacttggggtgtgacaggggtgcccaatgcaggcctccctacctttatca ttttgttcaggagtgcaggcgttatgtggcctgagaagctgtagatttcagggcctagaattagagacggatcctcccat ggtggggaggaggagtagatggggaagtgtcactttggatcccagctgttccttggccatctggacatggaaatgtgtc



tagggaggccaacaggaagcgtgaggcatggtgtctttcctcacctgaggctaagagccttctgggtaacagtggagcct $\verb|ctgtcctccctttgtttatttaccagctggtcagagcctttgggtccaggcttctctgtcctcttctcccttcatgctag|$ actgagactggctcagctgggtgtcccccagtgagggcttctagcctatccgtgttcaaggcgggtgggactataggtgc taggetacct caage ctg tagge cg gage acta aggeet ctg tettat gtaagga cage cat gg tg tg gg et ttg gt gg gt aggeet tagge gage acta aggeet aggeet tagge gg et tagge gage acta aggeet tagge gg et tagge gage acta aggeet tagge gage acta agg et tagge gage acta agg et tagge gage acta agg et tagg $\tt ttggccagccgtggtcacagtgcctggcacctgatgtctgtgctgcacttggccttctttagCTGGTTCCGGAAGAAACA$ CCCTCTGGCTGAGGCGCTCGTACCTATCCCACCAAGCCCAGACACTAAGGACCGCTGGCGCAGTATGACTGTAGTGCCCT ACCTGGAGGACCTGCATGGCCGTGCGGAGGAGGAGGAGGAGGAAGACTTGTTTGACATTGAGGACGGCATTATCTACACC  ${\tt CAGGACTTCACAGTGCCTGgtaagctggcttggcgcagctcctactggagctggtgactttgtgcactctggggctggtc}$  $\verb|cccttcccaagtctccagccagetaacatgagccaccaggactgccaaagccatcctggtggctgtggcatttcactctg|$ ggctagatgaagggctccctggctgcatctagcaggaggagggaaccctggagggcagtgggtaggggccctgagacag ccacctgagggagggtccagtggccctcggtcctggccatgcctgaccttatatcgccttcttccccaggtgtcgaggag tgtctgcaggtggatgcttgccgcgacttccctcctgtcactaccctgacaggctccccaccagggtttcagagaacatgcctgcatgccagtcccacttagctcctggcctttcaaatagctttggtgggagggtaaggaccttgggctactgtgtctc ctgtagcaattgagagttctaatagcagtgcccgctgggtgccaggtggaatccacaaggacaggtatacacctgatgtc cagtatgggccttggccacagccctttctaaggtttaaagcatccctatgtgggaatagtgtcttctactctgtcacgtg gagcccttgtctagactgtcccacaggctgggctcctggctgagagctggtttctctgctggggagaagatgtacttagg cccatttgtcaaatggggtagtgttgcacagagtgaagtgaccgtgctctgaggatagcctgatccctctgtacttggca tgagggtcggactctgcagcaacaggacaggggctttctactcagtgccttgtgtggaggaggggacagatgctttctcagagtccacctgacctcaagcctcagtcccatgcagagtgagccagagtgggtgctgctagtgtggccaagtcagagggtt tgtggagttacatgtagacactgacctctggagcctgggaagcttcaggagaggccatcttttgtcccactgcgagggca ggccaacagagcaagctggtctgcagccctcagctggatgatctccttcccggtgctcatcgcagctagtagctcccagg ccgaatgcttcatctccttgtgcctgtactgagggtctagagcctctcccttggagagctctgtgagctggtgctgggct gcccaggctagacaggcaggtgagcgtgggcatgctgcaggagggccagggcatagcactgtgaaggcagtgggcctgct tgcctttggagctactgagggttgggttggcaccagaggctagagcacctccgaccagcctctgtcacagttggggctggctgggccctggggctttgagctacctgccccttggctcaagctatgcttgccatcttcccgtagGACAGGTCCTGGAAGAGGAAGTGGGTCAGAATGGACAGAGCCACAGTTTGCCCAAGGCTGTTTGTGTGAATGGCACAGAGCCCCAGCTCAGCAGCAA GGTGAAGCCAGAAGGCCGACCTGGCACCCCCAACCCTGCGCGCAAGGTGTGCTCCAGCAACAAGATCCGCCGGCTCTCGG  ${\tt CCTGCAAGCAGCAGTGACTGAGGCCTACAGgtgggcatgggcctgggtccagccatccctggtgttcacagtgggtgtct}$  $\tt gctgggctcctagctccttcccgtagggcagtgctgcaagggggaaggtctggtggttgaggtggtactaagtgaccacc$  FIG. 4



ಘ ည်

## F23 synthetic linker

က tgcgacacatogataccgotogagtcg ည်

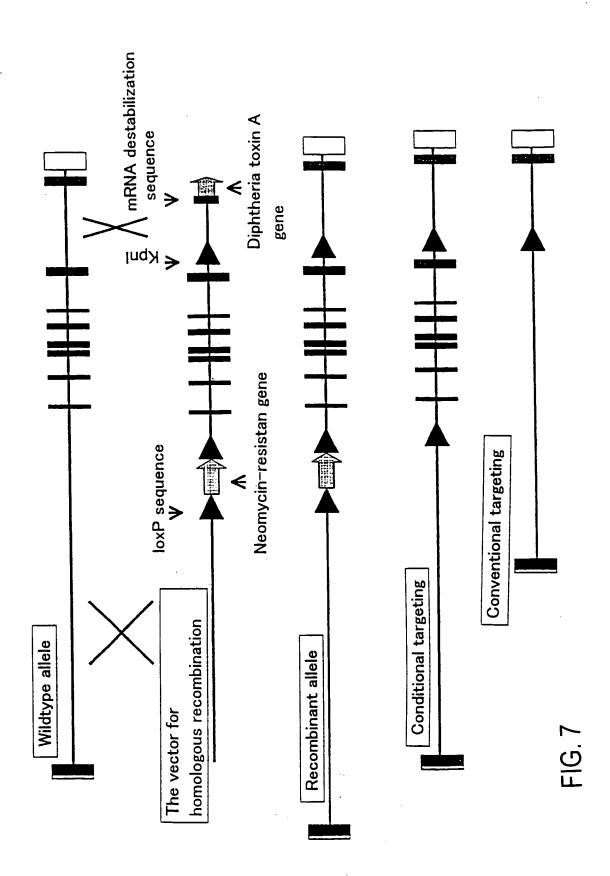
ည် acgtacgctgtagctatggcgagottaa က

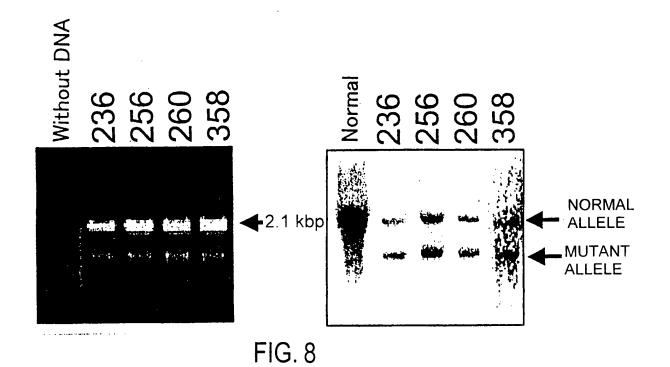
EcoRI XhoI Clal AvallI

loxP2 synthetic linker

HindIII XhoI agitogaagiattgaagcatatogiatgtaatatgoticaatagottaagctgaactggactattgaagcatatogtatgtatgtaatatgottcaatagitogaagi loxP ->

FIG. 6





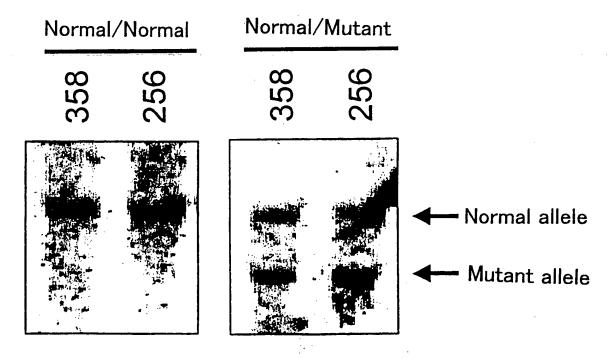
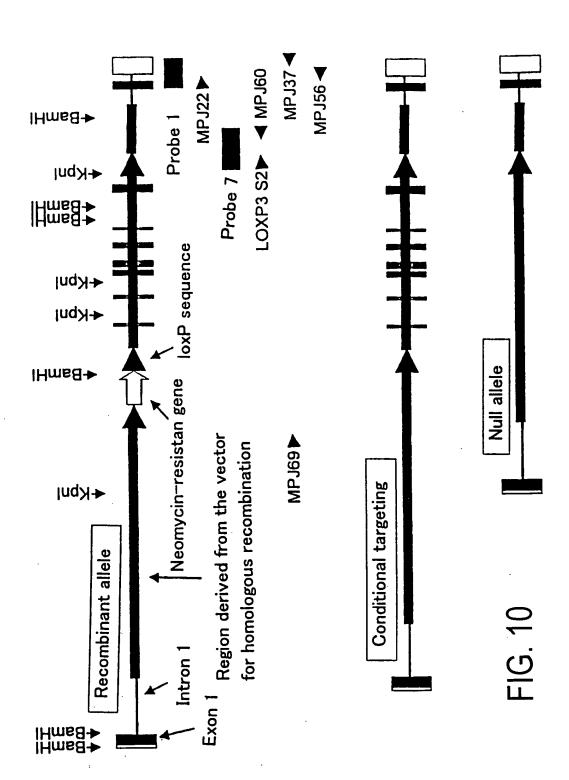


FIG. 9



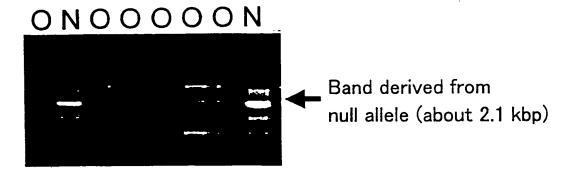


FIG. 11A

